



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

March 15, 2010

VIA CERTIFIED MAIL

7002 0510 0002 7964 5390

Mr. James F. Tolen  
Peabody Midwest Mining, LLC  
7100 Eagle Crest Boulevard, Suite 100  
Evansville, Indiana 47715

Dear Mr. Tolen:

Re: Modification Request for  
NPDES General Permit No. ING040239  
IDNR Permit Nos. S-0256, S-0256-1,  
S-0256-2, S-0256-3, and S-0256-4  
Peabody Midwest Mining, LLC- Bear Run Mine  
1890 N. County Road 600 E.  
Sullivan, Indiana  
Sullivan County

Your NPDES permit Notice of Intent application received February 9, 2010 requesting modification of the above-referenced permit has been reviewed. The submittal requested that coverage be granted for new Outfall 019 (latitude 39°, 01', 16.7", longitude 87°, 15', 54.9") discharging to an unnamed tributary to Black Creek. The request has been processed in accordance with Section 402 and 405 of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251, et seq.), and IDEM's permitting authority under IC 13-15. Our office has determined that the addition of the new outfall will not affect Peabody Midwest Mining, LLC's Bear Run Mine location's eligibility for coverage under the general permit rules outlined in 327 IAC 15-1 through 15-4 and 327 IAC 15-7, Facilities Engaged in Mining of Coal, Coal Processing, and Reclamation Activities, nor will the additional outfall point affect the site's ability to meet the reporting requirements. Therefore your petition to add the new outfall has been approved in accordance with Indiana Rules promulgated under 327 IAC 15-7. Coverage for the facility will now include all outfalls listed on the first table of Attachment 1 to this correspondence.

The NPDES general permit identification number assigned to this facility in the previous approval will continue to apply, as will all other testing and reporting that are required under 327 IAC 15-7 using the forms that were sent to you previously. Should you need additional copies of this form it is also available on the internet at the following web site:

<http://www.in.gov/idem/5104.htm>

327 IAC 15-7 is also available on the internet at the following website:

<http://www.in.gov/idem/4087.htm>

Additionally, you will continue to receive the computer generated preprinted federal NPDES DMR forms. Both the state and federal forms need to be completed and submitted on a routine basis. If you do not receive the preprinted DMR forms in a timely manner, please call this office at 317-232-8670.

These modifications shall become effective on **April 1, 2010**, unless a person aggrieved or adversely affected by the acceptance appeals this decision. Coverage under 327 IAC 15-7 for all remaining outfalls remains effective, and will expire on **May 31, 2014**. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as required by the Indiana Department of Environmental Management no later than ninety (90) days prior to the date of expiration.

Please note that any person who is adversely affected or aggrieved by approval under the cited NPDES general permit rule may, within eighteen (18) days from the mailing date of this notification, appeal this acceptance by filing a written petition for administrative review with the Office of Environmental Adjudication, in accordance with IC 4-21.5-3-7. This petition constitutes a request for an adjudicatory hearing. The procedure for appeal is outlined in more detail on the attached page.

The Office of Environmental Adjudication will provide parties who request review of this approval with notice of prehearing conferences, preliminary hearings, hearing, and stays or orders disposing of all proceedings. Nonparties may receive such notices without intervening and formally becoming parties in the proceeding by requesting copies of such notices from the Office of Environmental Adjudication.

If you have any questions regarding this letter, please contact Ms. Sheri L. Jordan of our office at (317) 232-8703.

Sincerely,



Catherine Hess, Chief  
Permits Administration Section  
Office of Water Quality

Slj/

cc: Sullivan County Health Department

**Peabody Midwest Mining, LLC - Bear Run Mine**

NPDES PERMIT NO. ING040239

IDNR PERMIT NOs. S-0256, S-0256-1, S-0256-2, S-0256-3, and S-0256-4

EFFECTIVE DATE: **April 1, 2010**

**OUTFALLS PERMITTED FOR THIS FACILITY**

OUTFALL	DNR BASIN	LATITUDE	LONGITUDE	MINE DRAINAGE STATUS	RECEIVING WATER
001	S-0256 001	39°, 03', 21.7"	87°, 16', 50.2"	ALKALINE	BUTTERMILK CREEK
019	S-0256-1	39°, 01', 16.7"	87°, 15', 54.9"	ALKALINE	UNNAMED TRIB. TO BLACK CREEK
023	S-0256-1 023	39°, 01', 22.5"	87°, 16', 08.1"	ALKALINE	UNNAMED TRIB. TO BLACK CREEK
040N	S-0256-2 040N	38°, 58', 50.3"	87°, 16', 11.6"	ALKALINE	UNNAMED TRIB. TO SPENCER CREEK
040S	S-0256-2 040S	38°, 58', 38.4"	87°, 16', 14.5"	ALKALINE	UNNAMED TRIB. TO SPENCER CREEK
041N **	S-0256-2 041N	38°, 57', 45.6"	87°, 16', 43.7"	UNDETERMINED	UNNAMED TRIB. TO SPENCER CREEK
041S **	S-0256-2 041S	38°, 57', 31.3"	87°, 16', 38.4"	UNDETERMINED	UNNAMED TRIB. TO SPENCER CREEK
042 **	S-0256-2 042	38°, 56', 33.5"	87°, 16', 10.5"	UNDETERMINED	UNNAMED TRIB. TO POLLARD DITCH
043 **	S-0256-3 043	39°, 00', 20"	87°, 16', 10"	ALKALINE	UNNAMED TRIB. TO SPENCER CREEK
044	S-0256-2 044	39°, 00', 28"	87°, 17', 43.7"	ALKALINE	UNNAMED TRIB. TO MIDDLE FORK
045 **	S-0256-3 045	39°, 00', 41.6"	87°, 18', 20.5"	UNDETERMINED	UNNAMED TRIB. TO MIDDLE FORK
046 **	S-0256-1 046	39°, 01', 52.7"	87°, 18', 08.6"	UNDETERMINED	UNNAMED TRIB. TO BUTTERMILK CREEK
047	S-0256-1 047	39°, 02', 00.9"	87°, 15', 40"	UNDETERMINED	UNNAMED TRIB. TO MIDDLE FORK
048	S-0256-1 048	39°, 01', 04.9"	87°, 17', 56.7"	UNDETERMINED	UNNAMED TRIB. TO MIDDLE FORK
049 **	S-0256-1 049	39°, 01', 01.2"	87°, 15', 45.5"	UNDETERMINED	UNNAMED TRIB. TO BLACK CREEK
050 **	S-0256-1 050	39°, 01', 04.1"	87°, 16', 31.8"	UNDETERMINED	UNNAMED TRIB. TO MIDDLE FORK CREEK
051	S-0256-2 051	38°, 59', 45.6"	87°, 16', 15.1"	UNDETERMINED	UNNAMED TRIB. TO SPENCER CREEK
052	S-0256-2 052	38°, 59', 55"	87°, 16', 15.1"	UNDETERMINED	SPENCER CREEK

\*\* NOTE THAT THE STATUS OF THE OUTFALLS THUS MARKED ARE ALSO LISTED AS "BASIN PROPOSED BUT UNCONSTRUCTED"

The following outfalls have been removed and are no longer covered under this permit:

003	S-0256 003	39°, 03', 21.5"	87°, 17', 23"	DROPPED	BUTTERMILK CREEK
018	S-0256-1 018	39°, 01', 59.3"	87°, 15', 37.6"	ALKALINE	UNNAMED TRIBUTARY TO MIDDLE FORK



**STATE OF INDIANA  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**PUBLIC NOTICE NO. 2010 – 3D -GP**

**DATE OF NOTICE: March 15, 2010**

The Office of Water Quality issues the following **NPDES GENERAL PERMIT**.

**MODIFICATION**

**PEABODY MIDWEST MINING, LLC. – BEAR RUN MINE** Permit No. ING040239, SULLIVAN COUNTY, Sullivan, IN. This facility will discharge non-process wastewater from a coal mining, processing and reclamation site to an unnamed tributary to Black Creek. This modification is being issued because the company is adding 1 Outfall. The Notice of Intent (NOI) letter submitted complies with the requirements in 327 IAC 15-7, Facilities Engaged in Mining of Coal, Coal Processing and Reclamation Activities. Permit Writer: Sheri Jordan at 317/232-8703.

**PROCEDURES TO APPEAL**

General Permit documents are available for inspection at IDEM, Office of Water Quality/Permit Section, IGCN, 100 N Senate Ave, Indianapolis, IN, Room 1203, from 9 - 4, Monday-Friday (copies 10¢ per page). The General Permit is also available at the local Health Department. Please tell others you think would be interested in this matter.

**Appeal Procedure:** Any person affected by the issuance of the Final Permit may appeal by filing a Petition for Administrative Review with the Office of Environmental Adjudication within eighteen (18) days of the date of this Public Notice. Any appeal request must be filed in accordance with IC 4-21.5-3-7 and must include facts demonstrating that the party requesting appeal is the applicant; a person aggrieved or adversely affected or is otherwise entitled to review by law.

**Timely filing:** The Petition for Administrative Review must be received by the Office of Environmental Adjudication (OEA) within 18 days of the date of this Public Notice; either by U.S. Mail postmark or by private carrier with dated receipt. This Petition for Administrative Review represents a request for an Adjudicatory Hearing, therefore must:

- state the name and address of the person making the request;
- identify the interest of the person making the request;
- identify any persons represented by the person making the request;
- state specifically the reasons for the request;
- state specifically the issues proposed for consideration at the hearing;
- identify the Final Permit Rule terms and conditions which, in the judgment of the person making the request, would be appropriate to satisfy the requirements of the law governing this NPDES Permit rule.

If the person filing the Petition for Administrative Review desires any part of the NPDES Final Permit Rule to be stayed pending the outcome of the appeal, a Petition for Stay must be included in the appeal request, identifying those parts to be stayed. Both Petitions shall be mailed or delivered to the address here:  
**Phone: 317/232-8591.**

Environmental Law Judge  
Office of Environmental Adjudication  
IGC – North Building- Rm 501  
100 N. Senate Avenue  
Indianapolis IN 46204

**Stay Time frame:** If the Petition (s) is filed within eighteen (18) days of the mailing of this Public Notice, the effective date of any part of the permit, within the scope of the Petition for Stay is suspended for fifteen (15) days. The Permit will become effective again upon expiration of the fifteen (15) days, unless or until an Environmental Law Judge stays the permit action in whole or in part.

**Hearing Notification:** Pursuant to Indiana Code, when a written request is submitted, the OEA will provide the petitioner or any person wanting notification, with the Notice of pre-hearing conferences, preliminary hearings, hearing stays or orders disposing of the Petition for Administrative Review. Petition for Administrative Review must be filed in compliance with the procedures and time frames outlined above. Procedural or scheduling questions should be directed to the OEA at the phone listed above.





Indiana Department of Environmental Management  
NPDES General Permit Notice of Intent (NOI) Letter Submittal Application  
327 IAC 15-7 Facilities Engaging in Mining of Coal, Coal Processing and Reclamation Activities

2010 FEB -8

**I. PURPOSE OF SUBMITTAL:**

Please check one box. Also provide existing permit number and reason for modification if applicable. You may attach additional sheets if they are needed.

NEW	RENEW	MODIFY	EXISTING PERMIT NO.	IF MODIFICATION WHAT IS CHANGING
		X	ING040239	Adding outfall 019 as an Alkaline Status Outfall.

**II. GENERAL INFORMATION**

Complete all boxes in sections a and b for name of company and person who is to receive the permit. Complete boxes in sections c, d, e, f, g, h, and i or fill in N/A for non-applicable as they apply for the facility that the permit is to apply to.

a. APPLICANT NAME (TO THE ATTENTION OF)			e. FACILITY SIC CODE		f. FACILITY COUNTY		g. DNR FACILITY NUMBER		
Peabody Midwest Mining, LLC Attn: James F. Tolen			1211		Sullivan		S-00256		
b. APPLICANT'S COMPANY AND COMPLETE MAILING ADDRESS			h. LATITUDE AND LONGITUDE OF APPROXIMATE FACILITY CENTER						
COMPANY NAME Peabody Midwest Mining, LLC			Latitude			Longitude			
STREET ADDRESS 7100 Eagle Crest Boulevard, Suite 100			Degrees	minutes	seconds	degrees	minutes	seconds	
CITY Evansville,	STATE IN	ZIP CODE 47715	38°	59'	52.5"	87°	16'	50.05"	
c. FACILITY NAME			i. FACILITY TOWNSHIP, RANGE, SECTION, QUARTER SECTION						
Peabody Midwest Mining, LLC - Bear Run Mine			Township		Range		Section		Quartersection
			7N		8W		34		
d. FACILITY MAILING ADDRESS			j. FACILITY PHYSICAL LOCATION IF DIFFERENT FROM IId						
STREET ADDRESS 7255 East C.R. 600 S			STREET ADDRESS N/A						
CITY Carlisle	STATE IN	ZIP CODE 47838	CITY N/A		STATE N/A		ZIP CODE N/A		

**III. CONTACT INFORMATION AUTHORIZED SIGNATORY**

This section applies to the responsible corporate officer and/or alternate person who is authorized in writing by the responsible corporate officer to carry signatory responsibilities for the facility under 327 IAC 15-4-3 (g). Please complete all boxes or mark N/A for non-applicable. If the signatory is not a corporate officer please also submit the letter from the responsible corporate officer granting him/her this authority.

a. APPLICANT SIGNATORY CONTACT PERSON AND TITLE		d. ALTERNATE PERSON TO ANSWER QUESTIONS	
James F. Tolen, Authorized Representative		N/A	
b. APPLICANT SIGNATORY CONTACT PERSON TELEPHONE		e. ALTERNATE PERSON'S TELEPHONE	
(812) 434-8573		N/A	
c. APPLICANT EMAIL ADDRESS		f. ALTERNATE PERSON'S EMAIL ADDRESS	
jftolen@peabodyenergy.com		N/A	

2010 FEB -8 11:14 AM

IDEM - AR  
PAID

**IV. CONTACT INFORMATION OTHER:**

<b>DISCHARGE MONITORING REPORTS CONTACT AND MAILING INFORMATION</b>		c. <u>CONTACT AND COMPANY NAME</u> <b>James F. Tolen Peabody Midwest Mining, LLC</b>		
a. <u>CONTACT TELEPHONE NUMBER</u> <b>(812) 434-8573</b>		d. <u>STREET ADDRESS</u> <b>7100 Eagle Crest Boulevard, Suite 100</b>		
b. <u>CONTACT EMAIL ADDRESS</u> <b>jftolen@peabodyenergy.com</b>		e. <u>CITY</u> <b>Evansville</b>	f. <u>STATE</u> <b>IN</b>	g. <u>ZIP CODE</u> <b>47715</b>
<b>ANNUAL FEE AND FINANCIAL CONTACT AND BILLING ADDRESS</b>		j. <u>COMPANY AND CONTACT PERSON NAME</u> <b>James F. Tolen</b>		
h. <u>CONTACT TELEPHONE NUMBER</u> <b>(812) 434-8573</b>		k. <u>STREET ADDRESS</u> <b>7100 Eagle Crest Boulevard, Suite 100</b>		
i. <u>CONTACT EMAIL ADDRESS</u> <b>jftolen@peabodyenergy.com</b>		l. <u>CITY</u> <b>Evansville</b>	m. <u>STATE</u> <b>IN</b>	n. <u>ZIP CODE</u> <b>47715</b>
<b>OTHER CONTACT AND MAILING INFORMATION (SPECIFY BELOW)</b>		q. <u>COMPANY AND CONTACT PERSON NAME</u> <b>N/A</b>		
N/A				
o. <u>CONTACT TELEPHONE NUMBER</u> <b>N/A</b>		r. <u>STREET ADDRESS</u> <b>N/A</b>		
p. <u>CONTACT EMAIL ADDRESS</u> <b>N/A</b>		s. <u>CITY</u> <b>N/A</b>	t. <u>STATE</u> <b>N/A</b>	u. <u>ZIP CODE</u> <b>N/A</b>

**V. RULE QUALIFICATION:**

The purpose of this rule is to regulate wastewater discharges from surface mining, underground mining, and reclamation projects which utilize sedimentation basin treatment for pit dewatering and surface run-off and to require best management practices for storm water run-off.

Does this facility meet these requirements? (please check one) **YES** ☒ **NO** ☐

Please provide a brief description of the facility operation that results in the discharge. You may attach additional sheets.

**This facility is a surface coal mine. Stormwater is collected, and passed through sediment treatment structures designed by professional engineers to detain a 10year-24hour storm event.**

**VI. OUTFALL INFORMATION:** Please fill out the following information FOR ALL OUTFALLS

a. IDEM OUTFALL NO.	b. DNR BASIN NO.	c. LATITUDE			d. LONGITUDE			e. DWBF*	f. MINE DRAINAGE STATUS	g. Is this discharge to a STORM SEWER	h. Name of RECEIVING WATER <b>OR if g is YES</b> name of OPERATOR OF MUNICIPAL STORM SEWER, AND WATER IT DISCHARGES TO
		deg	min	sec.	deg	min	sec.				
<b>See Attachment VI</b>										Y / N	
										Y / N	
										Y / N	
										Y / N	
										Y / N	
										Y / N	

\* DWBF - Dry Weather Base Flow



**VII. OUTFALL INFORMATION FOR MODIFICATIONS:** Please provide the following if this is a request to ADD, DELETE, or CHANGE MINE DRAINAGE STATUS of one or more outfalls:

a. IDEM OUTFALL NO.	b. DNR BASIN NO	c. DEL, ADD, or CHANGE	d. DATE OF CHANGE	e. REASON FOR THE CHANGE: EXPLAIN IN DETAIL AND ATTACH CONFIRMING DOCUMENTATION IN THE FORM OF INSPECTORS REPORTS, LAB DATA, ETC.
019	019	ADD	01/15/2010	Sediment Basin 019 was constructed with an Alkaline Status outfall.

**VIII. TOPOGRAPHICAL MAP**

A topographical map must be submitted with this application. The map must include the following items:

- (A) the location of the coal mining operation, including contiguous facility property lines, shown clearly and identified by name and by mark;
- (B) the location of each numbered outfall shown clearly and identified by number and by mark;
- (C) the receiving streams and tributaries to them that each outfall discharges to shown clearly and identified by name;
- (D) any existing permanent structures or roads in the area shown clearly and identified by name.

Please attach this completed map to the application and submit both together.

**IX. PROOF OF PUBLICATION**

It is required that a public notice statement be published in a newspaper of largest circulation in the area where the discharge(s) will be occurring. This publication must be in the newspaper for a minimum of one day and must include the following language: (your facility name, address, address of the location of the discharging facility, and the streams receiving the discharge(s)) "is submitting a Notice of Intent letter to notify the Indiana Department of Environmental Management of our intent to comply with the requirement under 327 IAC 15-7 to discharge wastewater associated with the mining of coal, coal processing and /or reclamation activities. Any person aggrieved by this action may appeal in writing to the Environmental Law Judge of the Office of Environmental Adjudication for an adjudicatory hearing on the question of whether this facility should operate under this NPDES general permit rule. An appeal must be postmarked no later than fifteen (15) days from the date of this public notice. Such a written request for an adjudicatory hearing must:

- (A) state the name and address of the person making the request;
- (B) identify the interest of the person making the request;
- (C) identify any persons represented by the person making the request;
- (D) state with particularity the reasons for the request;
- (E) state with particularity the issues proposed for consideration at the hearing; and
- (F) state with particularity the reasons why the NPDES general permit rule should not be available to the discharger identified in this notice.

Any such request shall be mailed or delivered to:  
Office of Environmental Adjudication  
Indiana Government Center – North  
100 North Senate Avenue, Room N501  
Indianapolis, Indiana 46204"

Please attach proof of publication of this statement from the newspaper to the application and submit both together.

**Please note: The public notice for this area was published with the original Notice of Intent. This modification is to add outfalls in the area that was previously already public noticed.**

**X. POTENTIALLY AFFECTED PERSONS FORM**

Pursuant to IC 4-21.5 it is required that a Potentially Affected Person form be completed and submitted with this application. The form and instructions are attached.

**Please note: No additional persons are potentially affected by the addition of these outfalls. The original permit application included all potentially affected persons within, and adjacent to the permit area, unless noted herein.**

**XI. REQUIRED FEES:**

A \$50 application fee is required to be submitted with applications for new permits, permit modifications, and permit renewals in accordance with IC 13-18-20-12. In addition the \$500 annual fee is required to be submitted for NEW APPLICATIONS at the time of submitting the application.

**A check payable to IDEM in the amount of \$ 50.00 is attached to this application.**

**XII. NOTIFICATION OF INDIANA DEPARTMENT OF NATURAL RESOURCES**

It is required in all circumstances that a copy of this application is sent to the Indiana Department of Natural Resources (IDNR) Division of Reclamation in Jasonville, Indiana.

**I have forwarded a copy of this application as is required to Mr. Eric Langer, Indiana Department of Natural Resources, Division of Reclamation, R. R. 2, Box 129, Jasonville, IN 47438-9517 on this date.**

**XIII. CERTIFICATION STATEMENT**

It is required by 327 IAC 15-4-3(g)(3) that the following statement shall be included in the application. The authorized signatory representative (as defined by 327 IAC 15-5-3(g)(2) and identified in item IIIa above) makes the following certification by signing and dating this section of the application below:

**"I certify under penalty of law that this document and all its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."**

**James F. Tolen, Authorized Representative**

**(812) 434-8573**

Name and official title (type on print)

Area Code and phone No.

Signature

Date signed

Submit completed form and attachments to the following address:

**Indiana Department of Environmental Management  
Office of Water Quality – Mail Code 65-42  
NPDES Permits Section  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251**

# Attachment VI

## VI. OUTFALL INFORMATION: Please fill out the following information FOR ALL OUTFALLS

a. IDEM OUTFALL NO.	b. DNR BASIN NO.	c. LATITUDE			d. LONGITUDE			e. DWBF*	f. MINE DRAINAGE STATUS	g. Is this discharge to a STORM SEWER	h. Name of RECEIVING WATER OR if it is YES name of OPERATOR OF MUNICIPAL STORM SEWER AND WATER IT DISCHARGES TO
		deg	min	sec	deg	min	sec				
001	001	39	03	21.7	87	16	50.2	0	Alkaline	N	Buttermilk Creek
003	003	39	03	21.5	87	17	23	0	Dropped	N	Buttermilk Creek
018	SP98-1	39	01	59.3	87	15	37.6	0	Dropped	N	Unnamed tributary to Black Creek
019	019	39	01	16.7	87	15	54.9	0	Alkaline	N	Unnamed tributary to Black Creek
023	023	39	01	22.5	87	16	08.1	0	Alkaline	N	Unnamed tributary to Black Creek
040N	040	38	58	50.3	87	16	11.6	0	Alkaline	N	Unnamed tributary to Spencer Creek
040S	040	38	58	38.4	87	16	14.5	0	Alkaline	N	Unnamed tributary to Spencer Creek
041N	041	38	57	45.6	87	16	43.7	0	Undetermined **	N	Unnamed tributary to Spencer Creek
041S	041	38	57	31.3	87	16	38.4	0	Undetermined **	N	Unnamed tributary to Spencer Creek
042	042	38	56	33.5	87	17	10.5	0	Undetermined **	N	Unnamed tributary to Pollard Ditch
043	043	39	00	20	87	18	10	0	Alkaline **	N	Unnamed tributary to Spencer Creek
044	044	39	00	28	87	18	43.7	0	Alkaline	N	Unnamed tributary to Middle Fork Creek
045	045	39	00	41.6	87	15	20.5	0	Undetermined **	N	Unnamed tributary to Middle Fork Creek
046	046	39	01	52.7	87	17	08.6	0	Undetermined **	N	Unnamed tributary to Buttermilk Creek
047	047	39	02	00.9	87	15	40	0	Alkaline	N	Unnamed tributary to Black Creek
048	048	39	01	04.9	87	17	56.7	0	Alkaline	N	Unnamed tributary to Middle Fork Creek
049	049	39	01	01.2	87	15	45.5	0	Undetermined **	N	Unnamed tributary to Black Creek
050	050	39	01	04.1	87	16	31.8	0	Undetermined **	N	Unnamed tributary to Middle Fork Creek
051	051	38	59	45.6	87	16	15.1	0	Undetermined	N	Unnamed tributary to Spencer Creek
052	052	38	59	55	87	16	15.1	0	Undetermined	N	Spencer Creek

\*DWBF - Dry Weather Base Flow

\*\* unconstructed

